

Application No.: 10/615,988

Docket No.: 2729-160

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A stack type heat exchanger, comprising, including a plurality of unit frames stacked on one another, each unit frame including
a pair of first and second tubes which are parallel to and independent of each other, each of the first and second tubes comprising ~~tube made by combining~~ a pair of plates combined with each other and forming a path for refrigerant,
first and second tanks which are disposed at and connected to lower ends of the first and second tubes, respectively, and are independent of each other, and upper and lower tanks disposed at upper and lower ends of the tube,
third and fourth tanks which are disposed at and connected to upper ends of the first and second tubes, respectively, and are independent of each other;
a radiation fin radiation fins provided between the stacked tubes of the stacked unit frames;
[[, and]]
an inlet pipe and an outlet pipe which are provided at one side of the stacked unit frames and through which the refrigerant enters and is exhausted, respectively; ~~the stack-type heat exchanger comprising:~~
~~a first burr~~ first burrs which are formed in the first and second tanks and lower tank to protrude in a direction opposite to a direction in which the refrigerant flows so as to provide resistance to the refrigerant flows in the first and second tanks; and
~~a second burr~~ second burrs which are formed in the third and fourth tanks and upper tank to protrude in the same direction ~~as the direction~~ in which the refrigerant flows so as to promote the

Application No.: 10/615,988

Docket No.: 2729-160

refrigerant flows in the third and fourth tanks;

wherein, in each of said unit frames,

the first and fourth tanks are diagonally arranged with respect to each other, and the second and third tanks are diagonally arranged with respect to each other, and

the first burr formed in the first tank protrudes in the same direction as the second burr formed in the fourth tank, and the first burr formed in the second tank protrudes in the same direction as the second burr formed in the third tank.

2. (currently amended) The stack type heat exchanger as claimed in claim 1, wherein ~~the tube of each of the unit frames comprises a pair of first and second tubes which are parallel to and independent of each other, the lower tank of each of the unit frames comprise first and second tanks which are connected to the first and second tubes, respectively, and independent of each other, the upper tank of each of the unit frames comprise third and fourth tanks which are connected to the first and second tubes, respectively, and independent of each other, the first through fourth tanks are brazing combined in a direction of the same axis such that the same tanks are connected to each other, and the first burr is formed in each of the first and second tanks and the second burr is formed in each of the third and fourth tanks~~

the first tanks of said unit frames are connected, by brazing, with each other along a stacking direction of said stacked unit frames to form a first tank group;

the second tanks of said unit frames are connected, by brazing, with each other along the stacking direction of said stacked unit frames to form a second tank group;

the third tanks of said unit frames are connected, by brazing, with each other along the stacking direction of said stacked unit frames to form a third tank group; and

the fourth tanks of said unit frames are connected, by brazing, with each other along the stacking direction of said stacked unit frames to form a fourth tank group.

3. (original) The stack type heat exchanger as claimed in claim 2, wherein the

Application No.: 10/615,988**Docket No.: 2729-160**

inlet pipe and the outlet pipe are connected to the first and second tank groups, respectively.

4. (currently amended) The stack type heat exchanger as claimed in claim 2, wherein at least one tank of the first tank group and at least one tank of the second tank group are connected to each other for circulation of the refrigerant.

5. (currently amended) The stack type heat exchanger as claimed in claim 4, further comprising a connection unit which is interposed between and connect said at least one tank of the first tank group and said at least one tank of the second tank group ~~to connect the first tank and the second tank~~ so that the first tank group and the second tank group are connected.

6. (original) The stack type heat exchanger as claimed in claim 5, wherein the connection unit is integrally formed with the plates constituting adjacent unit frames.

7. (currently amended) The stack type heat exchanger as claimed in claim 2, wherein at least one tank of the third tank group and at least one tank of the fourth tank group are connected to each other for circulation of the refrigerant.

8. (currently amended) The stack type heat exchanger as claimed in claim 7, further comprising a connection unit which is interposed between and connect said at least one tank of the third tank group and said at least one tank of the fourth tank group ~~to connect the third tank and the fourth tank~~ so that the third tank group and the fourth tank group are connected.

9. (original) The stack type heat exchanger as claimed in claim 8, wherein the connection unit is integrally formed with the plates constituting adjacent unit frames.